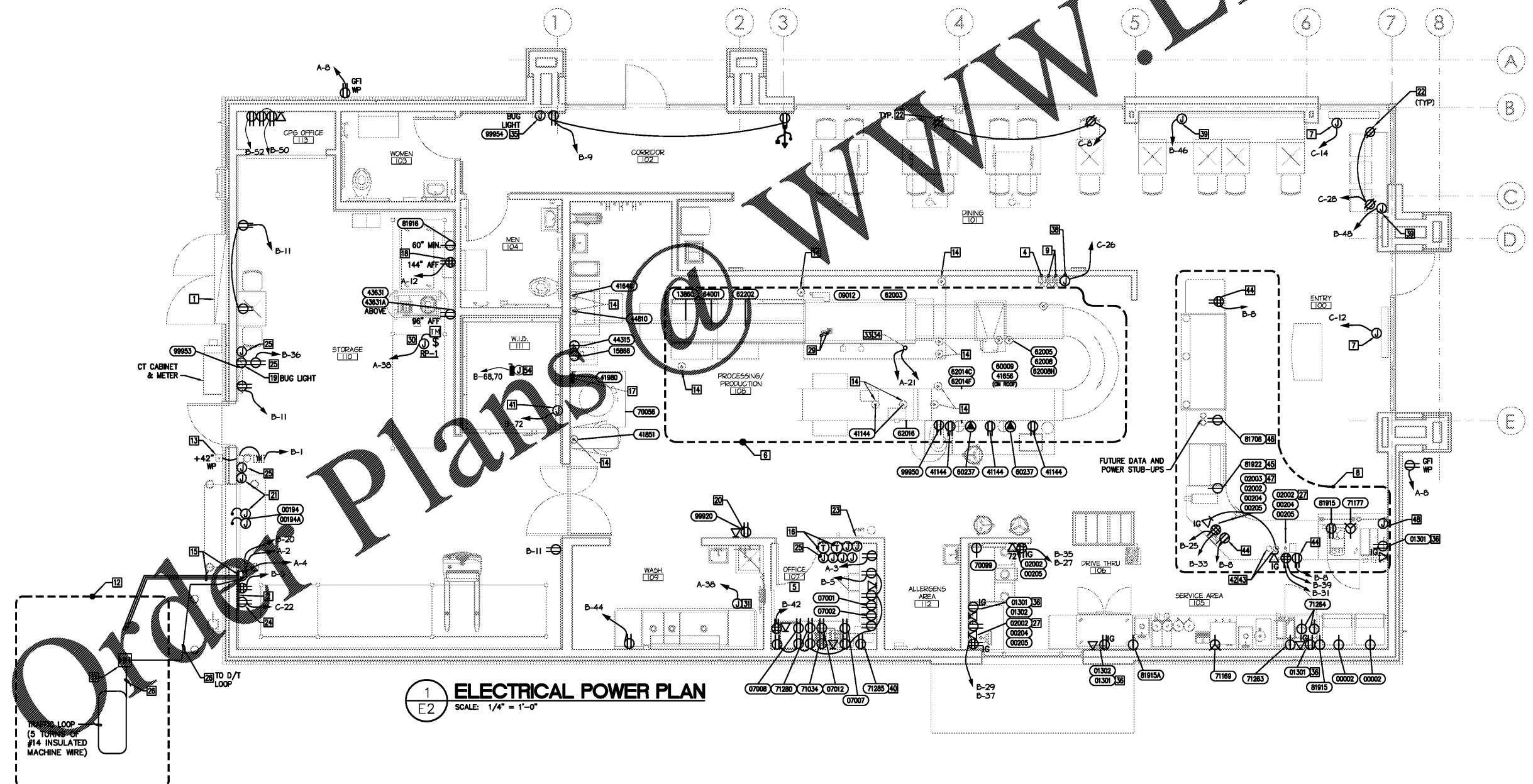


POWER PLAN NOTES

- 1 UNITIZED SWITCHGEAR AND CONTROLS. SEE SHEET E5 FOR PANEL SCHEDULES AND RISER DIAGRAM.
- 2 TELEPHONE TERMINAL BACKBOARD (TTB), PROVIDE FIREPROOFED 3/4" PLYWOOD BACKBOARD WITH #6 CU GROUND PER TELEPHONE COMPANY REQUIREMENTS. SAND & PAINT BOTH SIDES. E.C. SHALL PROVIDE SMALLEST PHONE BOARD POSSIBLE. MINIMUM MOUNTING HEIGHT OF 5'-6" TO BOTTOM OF TTB IS PREFERRED. E.C. SHALL COORDINATE WITH TELEPHONE COMPANY AND LOCAL AUTHORITY HAVING JURISDICTION FOR MOUNTING HEIGHT RESTRICTIONS. MOUNT QUAD RECEPTACLE TO TTB NEAR BOTTOM EDGE.
- 3 STUB-UP CONDUITS 6" AFF - SEE DETAILS 4/E4.
- 4 E.C. SHALL PROVIDE GRANGER #16282 HOOD ANNUNCIATOR OR EQUAL. E.C. SHALL CONNECT TO MICRO SWITCH IN HOOD CONTROLS. SEE HOOD SHEETS FOR ADDITIONAL INFORMATION.
- 5 E.C. SHALL PROVIDE J-BOXES AND EMPTY CONDUIT WITH PULL STRING FOR LOW VOLTAGE DEVICES. SEE OFFICE ELEVATIONS ON SHEET E7.
- 6 SEE SHEET E8 FOR EQUIPMENT DROPOWN LOCATIONS TO 270V LINE EQUIPMENT. ALL DROPS SHALL BE S.O. CORD WITH STRAIN RELIEF. E.C. SHALL VERIFY REQUIREMENTS AND FINAL LOCATIONS PER EQUIPMENT SHOP DRAWINGS AND LIGHT FIXTURE LOCATIONS. E.C. SHALL MAKE FINAL CONNECTIONS TO CONTROL PANEL. SEE DETAILS 1/E3 & 2/E3.
- 7 "HOT NOW" SIGN - PROVIDE JUNCTION BOX MOUNTED TO WALL 12" ABOVE CEILING. VERIFY EQUIPMENT PROVIDED HAS LOCAL DISCONNECTING MEANS OR PROVIDE LOCKABLE BREAKER PER NEC 600.6. SIGNS TO BE CONTROLLED BY SWITCHBANK. SEE DETAIL 2/E3.
- 8 SEE 1/E4 FOR ENLARGED FRONT COUNTER AND ADDITIONAL ROUGH-IN DIMENSIONS.
- 9 AUDIO/VSUAL DEVICES FURNISHED BY K.K. HVAC SUPPLIER & INSTALLED BY E.C. IN APPROVED LOCATION TO SIGNAL DUCT DETECTOR ACTIVATION. MOUNT AT 6'-6" AFF. M.C. AND E.C. SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODE REQUIREMENTS.
- 10 NOT USED.
- 11 E.C. TO PROVIDE AND INSTALL A 6"x8"x.5" HANDHOLE FOR CONNECTION OF LOOP PIGTAILS TO WIRING TO BUILDING. USE QUATZE PC608B806 WITH COVER PC080B800 OR EQUAL. SEE DETAILS 2/E4 AND 3/E4.
- 12 SEE SHEET E4 FOR DRIVE THRU MENU BOARD DETAILS.
- 13 E.C. SHALL PROVIDE EDWARDS MODEL #55-665 DOORBELL WITH #852 PUSH BUTTON AND #598 TRANSFORMER OR EQUAL.
- 14 E.C. SHALL PROVIDE S.O. CORD AND STRAIN RELIEF FOR ELECTRICAL DROP WHIPS TO MIXERS. E.C. SHALL PROVIDE ALL TWIST-LOCK MALE/FEMALE PLUGS AND CORDS. E.C. SHALL MAKE ALL FINAL CONNECTIONS. SEE DETAIL 2/E3, AND ELECTRICAL SCHEDULE ON SHEET E8.
- 15 E.C. SHALL PROVIDE (3) 1" CONDUITS FROM JUNCTION BOX TO DRIVE-THRU MENU BOARD LOCATION. (1) CONDUIT FOR MENU BOARD SPEAKER, (1) CONDUIT FOR ELECTRICAL POWER IN MENU BOARD, AND (1) SPARE CONDUIT TO MENU BOARD FUTURE USE. E.C. SHALL VERIFY ELECTRICAL REQUIREMENTS FOR MENU BOARD AND MAKE FINAL CONNECTIONS. MENU BOARD TO BE CONNECTED TO LIGHTING TIME CLOCK. ALL CONDUITS SHALL BE CONCEALED WITHIN WALL FRAMING.
- 16 THERMOSTATS AT 48" A.F.F. BY M.C.; M.C. SHALL PROVIDE ALL REQUIRED CONTROL WIRING, J-BOX, AND TERMINATIONS. VERIFY FINAL LOCATION WITH MECHANICAL DRAWINGS.
- 17 PROVIDE SAFETY DISCONNECT SWITCH, 208V/3P-60A, NON-FUSIBLE, NEMA 3R. EXTEND WIRING FROM DISCONNECT TO EQUIPMENT WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT. CONNECT TO EQUIPMENT WITH NINETY DEGREE CONNECTOR. INSTALLED CONDUIT SHALL NOT LIE ON FLOOR.
- 18 E.C. SHALL PROVIDE AND INSTALL 120V/1P-20A DUPLEX RECEPTACLE FOR WATER HEATER. WATER HEATER CONNECTED VIA WATER HEATER MASTER CONTROLS LOCATED IN MANAGER'S OFFICE. COORDINATE W/ P.C. E.C. SHALL MAKE FINAL CONNECTION.

- 19 E.C. SHALL PROVIDE 120V/1P-20A OUTLET FOR BUG LIGHT AT 78" A.F.F. EQUIPMENT SHALL BE MOUNTED DIRECTLY ABOVE OUTLET. BUG LIGHT PROVIDED BY VENDOR AND INSTALLED BY G.C.
- 20 PROVIDE RECEPTACLE AND DATA OUTLET FOR EMPLOYEE TIME CLOCK. VERIFY FINAL LOCATION WITH G.C. PRIOR TO INSTALLATION.
- 21 E.C. TO INSTALL LOW VOLTAGE FLOOR SENSOR TO ACTIVATE EXTERIOR AIR CURTAIN. SENSOR SUPPLIED BY GC. INSTALL ON THE SIDE OF DOOR INDICATED. PROVIDE 3/4" CONDUIT DOWN WALL BESIDE DOOR TO PROTECT LOW VOLTAGE CABLE. REMOVE ALL BURRS OR PROVIDE APPROPRIATE FITTING TO PREVENT ABRASION TO CABLE. COORDINATE INSTALLATION WITH GC.
- 22 SHOW WINDOW RECEPTABLES TO BE MOUNTED IN CEILING ABOVE WINDOW. COLOR OF RECEPTABLES AND COVER PLATES SHALL MATCH CEILING COLOR.
- 23 ANSUL PULL IS TO BE RECESSED. E.C. SHALL PROVIDE AND INSTALL ALL CONDUIT CONCEALED WITHIN THE WALL. CONDUIT SHALL BE A STRAIGHT RUN WITH NO OFFSETS OR BENDS. E.C. SHALL PROVIDE APPROPRIATE DEPTH J-BOX TO ALLOW FOR A STRAIGHT CONNECTION TO THE CONDUIT. COORDINATE WITH M.C./HOOD SUPPLIER.
- 24 LOCATE ADJACENT TO IRRIGATION CONTRACTOR. PROVIDE 1/2" CONDUIT WITH PULL-LINE UP TO ROOF FOR RAIN SENSOR. COORDINATE LOCATION AND REQUIREMENTS WITH LANDSCAPE CONTRACTOR. PROVIDE 2" CONDUIT WITH PULL-LINE STUBBED TO PLANTER AREA FOR IRRIGATION CONTROL WIRING. MOUNT BELOW TTB. SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
- 25 CHECKVIEW DOOR KEYPADS AND CONTROLLER (BY ROLL UP DOOR IN STORAGE ROOM). PROVIDE 4" SQUARE RECESSED OUTLET BOX AND 3/4" C. TO ABOVE CEILING. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER. PROVIDE PLASTER RING AS REQUIRED.
- 26 (1) 1" CONDUIT TO TRAFFIC LOOP - (2) #12 RETURN CONDUCTORS TO CONTROL BOX
- 27 EQUIPMENT ITEM 02002 PLUGS INTO UPS 02024 WHICH IS PLUGGED INTO ONE SIDE OF QUAD RECEPTACLE SHOWN. PRINTER 00205 IS PLUGGED INTO THE OTHER DUPLEX. PROVIDE A 20A DEDICATED CIRCUIT TO EACH DUPLEX IN THE QUAD.
- 28 EQUIPMENT ITEMS 02002 AND 02003 PLUG INTO UPS 02024 WHICH IS PLUGGED INTO ONE SIDE OF QUAD RECEPTACLE SHOWN. PROVIDE A 20A DEDICATED CIRCUIT TO EACH DUPLEX IN THE QUAD.
- 29 E.C. TO VERIFY LOCATION OF STUB UP WITH G.C./OWNER AND EQUIPMENT MANUFACTURER/SUPPLIER. SEE DETAIL 4/E4.
- 30 E.C. SHALL PROVIDE J-BOX FOR RE-CIRCULATION PUMP MOUNTED ABOVE TIMER. COORDINATE EXACT LOCATION WITH P.C.
- 31 E.C. SHALL PROVIDE J-BOX FOR AQUA-STAT CONTROLLER. COORDINATE EXACT LOCATION WITH P.C.
- 32 NOTE USED.
- 33 ELECTRICAL CONTRACTOR SHALL WIRE 2-#14, 1" C. SHUNT CONTROL FROM HOOD CONTROL PANEL TO EACH SHUNT TRIPPED CIRCUIT TO DE-ENERGIZE CIRCUIT UPON ACTIVATION OF MANUAL PULL STATION, OR DETECTION BY SENSORS WITHIN THE HOOD. SEE "H" SHEETS AND E8.
- 34 PROVIDE ONE (1) HOOD LIGHTING CIRCUIT VIA HOOD CONTROL PANEL AND ONE (1) CONTROL CIRCUIT FOR HOOD CONTROL PANEL. SEE WIRING DIAGRAM ON "H" SHEETS.
- 35 E.C. SHALL PROVIDE FLUSH MOUNTED JUNCTION BOX IN WALL FOR BUG LIGHT AT 84" A.F.F. TO CENTER OF BOX. BUG LIGHT PROVIDED AND INSTALLED BY G.C. PROVIDE GILBERT 2002GT "FLYING VENUS" IN ANTIQUE BRASS, NO SUBSTITUTIONS WITHOUT K.K. APPROVAL.
- 36 E.C. SHALL LOCATE PROVIDE EMPTY CONDUIT WITH J-BOX AND PULL STRING FOR DATA CONNECTION TO ORDER REPEATER.
- 37 NOT USED.
- 38 "ARROW" SIGN - PROVIDE JUNCTION BOX MOUNTED TO WALL 12" ABOVE CEILING. VERIFY EQUIPMENT PROVIDED HAS LOCAL DISCONNECTING MEANS OR PROVIDE LOCKABLE BREAKER PER NEC 600.6. SIGN TO BE CONTROLLED WITH "HOT NOW" SIGNS IN SWITCHBANK. SEE DETAIL 2/E3. E.C. SHALL COORDINATE INSTALLATION OF J-BOXES WITH SIGN VENDOR PRIOR TO ROUGH-IN TO DETERMINE IF BOTH J-BOXES WILL BE REQUIRED AND FOR FINAL LOCATION OF SIGN. J-BOXES SHALL BE CLEAR OF HOOD SYSTEM.

- 39 PROVIDE A SURFACE MOUNTED STEEL RACEWAY SYSTEM TO RUN POWER FROM CONDUIT STUB-UP THRU FLOOR SLAB TO EACH RECEPTACLE MOUNTED IN THE COUNTERTOP (SEE ARCHITECTURAL DETAILS). RACEWAY SHALL RUN VERTICALLY UP WINDOW MULLION TO BELOW COUNTERTOP. SURFACE MOUNTED RACEWAY SYSTEM SHALL BE SIMILAR TO WIREMOLD 2400 SERIES WITH RACEWAY BASES, COVERS, COUPLINGS, ENTRANCE FITTINGS, BOXES, TEES, ELBOWS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. FINISH TO BE SELECTED BY ARCHITECT. COORDINATE FINAL ROUTING WITH ARCHITECT, CABINERY VENDOR, AND G.C. ALERT G.C. AND ARCHITECT/ENGINEER OF RECORD IF ANY CONFLICTS ARISE.
- 40 PASS & SEYMOUR/LEGRAND ILLUMINATED RECEPTACLE MODEL# NLB1R1AC03 OR APPROVED EQUAL BY KK I.T. DEPARTMENT FOR EZIO SYSTEM. IE INTO "HOT NOW" SIGN CONTACTOR TO ONLY BE POWERED WHEN SIGNS ARE SWITCHED ON. SEE DETAIL 2/E3 AND 3/E3 FOR ADDITIONAL INFORMATION. RECEPTACLE IS TO BE WITHIN 2 FEET OF NETWORK RACK AND FREE OF ANY OBSTRUCTIONS. COORDINATE IN FIELD.
- 41 E.C. TO PROVIDE J-BOX WITH BLANK COVER WITH CIRCUIT PROPERLY TERMINATED INSIDE FOR WALK-IN COOLER CONNECTIONS.
- 42 STUB-UPS FOR FRONT COUNTER POWER AND DATA. E.C. TO COORDINATE LOCATION WITH PRE-ENGINEERED CUT OUT IN CABINERY. PROVIDE (1) 2" CONDUIT FOR DATA AND (1) 2" CONDUIT FOR POWER. NO OTHER STUB-UPS ARE PERMITTED EXCEPT THE TWO INDICATED ON THE DRAWINGS. DO NOT RUN POWER CONDUCTORS AND DATA IN THE SAME CONDUIT.
- 43 STUB UP CONDUITS 6" A.F.F.; STUB UP CONDUITS SHALL BE A MINIMUM SIZE OF 2". RECEPTACLE AND COMPUTER OUTLETS TO BE CONNECTED WITH FLEXIBLE CONDUIT BY ELECTRICAL CONTRACTOR WHEN CASEWORK IS INSTALLED. RECEPTABLES SHOWN SHALL BE PROVIDED WITH CABINET OF SERVING COUNTER. E.C. SHALL PROVIDE AND INSTALL DATA OUTLETS AS SHOWN. E.C. TO COORDINATE LOCATION OF RECEPTABLES AND DATA OUTLETS WITH MILLWORK CONTRACTOR AND OWNER. E.C. SHALL MAKE FINAL CONNECTIONS. G.C. SHALL DRILL HOLES IN BOTTOM AND REAR OF COUNTER (REMOVE ALL BURRS AND PAINT THE PENETRATION) FOR CONDUIT STUB-UP AND CORD EXTENSIONS FROM APPLIANCE TO RECEPTACLE. SEE DETAIL 1/E4 AND 4/E4.
- 44 CONVENIENCE RECEPTABLES PROVIDED WITH CASEWORK. COORDINATE LOCATION OF RECEPTACLE WITH MILLWORK CONTRACTOR. E.C. SHALL MAKE FINAL CONNECTIONS.
- 45 E.C. SHALL PROVIDE 120V/1P-20A DUPLEX RECEPTACLE MOUNTED WITHIN REACH-IN COOLER CAVITY. PROVIDE LOCKABLE BREAKER PER NEC 600.6. CORD EXTENSION FROM APPLIANCE TO RECEPTACLE SHALL BE RUN THROUGH CURB UNDER EQUIPMENT. E.C. SHALL COORDINATE INSTALLATION WITH G.C. AND MAKE FINAL CONNECTION.
- 46 RECEPTACLE FOR FUTURE DOUGHNUT DISPLAY CASE LIGHTS PROVIDED WITH CASEWORK. COORDINATE LOCATION OF RECEPTACLE WITH MILLWORK CONTRACTOR. E.C. SHALL MAKE FINAL CONNECTIONS.
- 47 EQUIPMENT ITEMS 02002 AND 02003 PLUG INTO UPS 02024 WHICH IS PLUGGED INTO ONE SIDE OF QUAD RECEPTACLE SHOWN. PRINTER 00205 IS PLUGGED INTO THE OTHER DUPLEX. PROVIDE A 20A DEDICATED CIRCUIT TO EACH DUPLEX IN THE QUAD.
- 48 E.C. SHALL PROVIDE (1) 2" CONDUIT FROM ABOVE CEILING IN FULL HEIGHT WALL TO J-BOX CONCEALED WITHIN CASEWORK PROVIDING POWER TO ESPRESSO MACHINE AND U.C. REFRIGERATOR. E.C. SHALL COORDINATE FINAL J-BOX LOCATION WITH CASEWORK PROVIDER PRIOR TO ROUGH-IN.
- 49 NOT USED.
- 50 NOT USED.
- 51 NOT USED.
- 52 NOT USED.
- 53 NOT USED.
- 54 WALK-IN COOLER SAFETY DISCONNECT SWITCH, 208V/1P-20A, FUSIBLE, FUSE PER NAMEPLATE BY E.C. VERIFY CONNECTIONS WITH SUPPLIED EQUIPMENT.



1 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

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SHEET TITLE: ELECTRICAL POWER PLAN
SHEET NO.:

E2